BRUHAT BENGALURU MAHANAGARA PALIKE

Name of Work: Detailed Estimation for Improvements drains and Covering Slabs in ward no 05.Jakkur

Estimate cost Rs: 9995000.00

Sl No	Description of Items		No	L	B	D	Qty	Rate	Unit	Amount
(1)	(2)		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 /I No.19.1									
	Desilting									
	18th Cross		2	176.00	0.45	0.50	79.20			
	19th Cross		2	246.00	0.45	0.55	121.77			
	20th Cross		2	233.00	0.45	0.50	104.85			
	21st Cross		2	187.00	0.45	0.55	92.57			
	22nd Cross		2	131.00	0.45	0.55	64.85			
	23rd Cross		2	78.00	0.45	0.60	42.12			
	24th Cross		2	47.00	0.45	0.50	21.15			
	1st main		2	165.00	0.45	0.50	74.25			
	2nd main		2	38.00	0.45	0.60	20.52			
	Flagging course bed		4	176.00	0.20	0.15	21.12			
			4	246.00	0.20	0.15	29.52			
			4	233.00	0.20	0.15	27.96			
			4	187.00	0.20	0.15	22.44			
			4	131.00	0.20	0.15	15.72			
			4	78.00	0.20	0.15	9.36			
			4	47.00	0.20	0.15	5.64			
			4	165.00	0.20	0.15	19.80			
			4	38.00	0.22	0.15	5.02			
							777.85	86.92	Cum	67610.00
	Basic Rate	82.00								
	A. W.@ 6%	4.92								
	Total Rate	86.92								
2	Removing B.S.Slab of drain and stacking (P-25, It;5.32)									
	18th Cross		2	176.00	1.35		475.20			
	19th Cross		2	246.00	1.35		664.20			
	20th Cross		2	233.00	1.35		629.10			
	21st Cross		2	187.00	1.35		504.90			

Sl No	Description of Items		No	L	B	D	Qty	Rate	Unit	Amount
(1)	(2)		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	22nd Cross		2	131.00	1.35		353.70			
	23rd Cross		2	78.00	1.35		210.60			
	24th Cross		2	47.00	1.35		126.90			
	1st main		2	165.00	1.35		445.50			
	2nd main		2	38.00	1.35		102.60			
							3499.20			
	deduct missing 25%						874.80			
							2624.40	65.72	Sqm	172476.00
	Basic Rate	62.00								
	A. W.@ 6%	3.72								
	Total Rate	65.72								
3	Refixing stone.Slab of drain and pointing in CM(1:3) (P-25, It;5.33)									
			Qty same as item No.2				2624.40			
							2624.40	80.56	Sqm	211422.00
	Basic Rate	76.00								
	A. W.@ 6%	4.56								
	Total Rate	80.56								
4	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete 7.5 cms thick (P-25, It.5.31.1)									
			Qty same as Missing				874.80			
							874.80	665.68	Sqm	582337.00
	Basic Rate	628.00								
	A. W.@ 6%	37.68								
	Total Rate	665.68								
5	KSRB 4-1.3:Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15 cms, thick well compacted, in foundation and plinth including cost of all materials, labour, HOM of machienry, curing complete as per specifications. Specification No.KBS 4.1, 4.2 (P-12, It.4.3)									
	18th Cross		4	176.00	0.20	0.15	21.12			
	19th Cross		4	246.00	0.20	0.15	29.52			
	20th Cross		4	233.00	0.20	0.15	27.96			
	21st Cross		4	187.00	0.20	0.15	22.44			
	22nd Cross		4	131.00	0.20	0.15	15.72			
	23rd Cross		4	78.00	0.20	0.15	9.36			

Sl No	Description of Items		No	L	B	D	Qty	Rate	Unit	Amount
(1)	(2)		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	24th Cross		4	47.00	0.20	0.15	5.64			
	1st main		4	165.00	0.20	0.15	19.80			
	2nd main		4	38.00	0.20	0.15	4.56			
			2	26.00	0.20	0.15	1.56			
							157.68	5159.02	Cum	813474.00
	Basic Rate	4867.00								
	A. W.@ 6%	292.02								
	Total Rate	5159.02								
6	KSRB 5-14:Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength 5.0 N/mm2 confirming to IS:2185(part);2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire charges of machineries etc. complete as per specifications.KBS No.5.4 with solid concrete block of size									
	Basic Rate:	937.00								
	A. W.@ 6%	56.22								
	Total	993.22								
	18th Cross		4	176.00		0.40	281.60			
	19th Cross		4	246.00		0.40	393.60			
	20th Cross		4	233.00		0.40	372.80			
	21st Cross		4	187.00		0.40	299.20			
	22nd Cross		4	131.00		0.60	314.40			
	23rd Cross		4	78.00		0.60	187.20			
	24th Cross		4	47.00		0.40	75.20			
	1st main		4	165.00		0.40	264.00			
	2nd main		4	38.00		0.40	60.80			
						Total	2208.00	993.22	Sqm	2193030.00
7	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 Kgs, with 20mm and down size graded granite metal coarse aggregtes @ 0.69cum and line aggregates @ 0.459 cum,machine mixed, concrete laid in layers not exceeding 15 cms, thick well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No.KBS 4.1, 4.2 (P-12, It.4.6)									
	coping									
	18th Cross		4	176.00	0.20	0.10	14.08			
	19th Cross		4	246.00	0.20	0.10	19.68			
	20th Cross		4	233.00	0.20	0.10	18.64			

Sl No	Description of Items		No	L	B	D	Qty	Rate	Unit	Amount
(1)	(2)		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	21st Cross		4	187.00	0.20	0.10	14.96			
	22nd Cross		4	131.00	0.20	0.10	10.48			
	23rd Cross		4	78.00	0.20	0.10	6.24			
	24th Cross		4	47.00	0.20	0.10	3.76			
	1st main		4	165.00	0.20	0.10	13.20			
	2nd main		4	38.00	0.20	0.10	3.04			
			2	26.00	0.20	0.10	1.04			
	side slope		2	176.00	0.20	0.05	3.52			
			2	246.00	0.20	0.05	4.92			
			2	233.00	0.20	0.05	4.66			
			2	187.00	0.20	0.05	3.74			
			2	131.00	0.20	0.05	2.62			
			2	78.00	0.20	0.05	1.56			
			2	47.00	0.20	0.05	0.94			
			2	165.00	0.20	0.05	3.30			
			2	38.00	0.20	0.07	1.03			
							131.40	5767.46	Cum	757844.00
	Basic Rate	5441.00								
	A. W.@ 6%	326.46								
	Total Rate	5767.46								
8	Providing and fixing 10 cm thick pre cast reinforced concrete slab as per design and drawing material cost, transportation, hire charges of machinery complete with all lead and lift conveyance charges labour charges inclusive of cost of all materials									
	Date Rate	1777.75								
	18th Cross		2	176.00	0.90		316.80			
	19th Cross		2	246.00	0.90		442.80			
	20th Cross		2	233.00	0.90		419.40			
	21st Cross		2	187.00	0.90		336.60			
	22nd Cross		2	131.00	0.90		235.80			
	23rd Cross		2	78.00	0.90		140.40			
	24th Cross		2	47.00	0.90		84.60			
	1st main		2	165.00	0.90		297.00			
	2nd main		2	38.00	0.90		68.40			
			1	26.00	0.90		23.40			
							2365.20	1777.75	Sqm	4204734.00

Sl No	Description of Items		No	L	B	D	Qty	Rate	Unit	Amount
(1)	(2)		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
9	Conveying the excavated earth (lead charges) to a with lead of 10kms with all lead and lift. including loading and unloading charges etc., complete as per direction of Engineer in charge									
	Cost of haulage BR = Rs.2.50 T.Km. (P-134, it;17.4)									
	Loading and unloading BR=Rs.68.00 (P-134, it;17.1)									
	For 10kms = 2.50*1.28*10Km =Rs.32 (P-139)									
	Qty. vide item No.2						751.70			82.452
						777.85	~~751.70~~	106.00	Cum	79680.00
	loading and unloading	68.00								
	lead of 10kms	32.00								
	sub total	100.00								
	A. W.@ 6%	6.00								
	Total Rate	106.00								
										9,85,380.00
								TOTAL		9084239.00
	Add KRIDL Charges 9%+1%								908538/-	~~908423.90~~
	Miscellaneous & Rounding off								1082.00	2337.10
									Total Amount. Rs.	9995000.00

CERTIFICATE:

1. The work spot has been inspected and found to be necessary
2. The work spot comes under BBMP Limits
3. The provisions made in the estimate are necessary and minimum
4. The estimate is based on CSR of 2016-17

Assistant Engineer
Ward No.05

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
Byatarayanapura Sub Division
Bruhat Bengaluru Mahanagara Palike

Executive Engineer
Byatarayanapura Division
ruhat Bengaluru Mahanagara Palik

23/02

Technical Sanction
Accorded For 99.95 lakh Rs
Head of A/C P0190
CER NO : 175 Dt: 20/03/17

TA CE (YNK)

ADMINISTRATIVELY SANCTIONED FOR Rs 9995000/-
Rupees Ninety nine lakhs Ninety ~~Five thousand only~~
Under P-0190
Sanctioned in
enclosed
Dt
ಇ.ಸ(4) ಪಿಆರ್ AA/29/2016-17
dated 16-3-2017 9995000/-

Commissioner
(Yelahanka Zone)
BBMP Bangalore

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ~~ಕಾರ್ಯಪಾಲಕ~~ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

INDEX

IMPROVEMENTS TO DRAIN